

**PROCEDURE FOR THE CALIBRATION AND
MAINTENANCE OF THE No. 325 SIEVE
ASTM C 430**

A. PURPOSE

The purpose of this procedure is to calibrate and maintain the No. 325 sieve. The calibration is performed after 100 determinations with the maintenance performed after 5 determinations.

B. APPARATUS REQUIRED

1. Container.
2. Calibrated scales capable of reading within the desired range.
3. 1,000 gram sample of NIST NO. 114 material.
4. Stop watch.

C. PROCEDURE

1. Calibration
 - a. Follow the procedure in ASTM C 430, Section 4.
2. Cleaning
 - a. Follow the procedure in ASTM C 430, Section 6.

D. TOLERANCE

The tolerance is as set in ASTM C 430.

EQUIPMENT CALIBRATION RECORD

Calibration By: _____	Date: _____
Equipment: <u>No. 325 Sieve</u>	Location (Lab): _____
Identification No.: _____	Calibration Frequency: <u>After 100 determinations</u>
Previous Calibration Date: _____	Next Due Date: _____
Calibration Equipment Used: 1000 g of NIST No. 114; Spray nozzle with pressure adjustment capable of establishing pressure from 65 – 73 kPa (9.5 – 10.5 psi) Timer, SN: _____ Calibrated balance, SN: _____	
Calibration Procedure: <u>(In-house) OMR-CVP-38 / ASTM C 430</u>	

Calibration

Residue on 45 μ m (No. 325) sieve, Sample No. 114 _____

A. Residue for a 1 g sample..... _____

B. Residue on sieve being calibrated..... _____

C. Difference ± _____

$$\text{Correction factor} = \frac{C}{B} \times 100$$

Sieve is to be cleared after 5 determinations.

Sieve clean and in good condition?

YES

NO